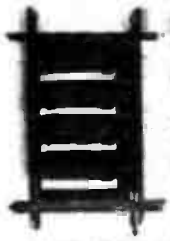
VENTILATION—PURE AIR.

EXTERNAL WALL.

Ventilators for the admission of pure air through an External Wall, from 6s. each; with leading valley, from 9s. 6d. These Ventilators are so arranged that the requisite quantity of pure air may be admitted for the due ventilation of an apartment without the slightest draught being felt by the occupants; and as they are placed in the external wall, their action is not impeded by any partition or door, which, since the enactment of the Building Act, cannot be closed for the evening, or during the night, when the supply of fresh air is most required.—HAYWARD BROTHERS, Manufacturers, 186, Upper Thames-street, and 117, Union-street, Borough; and of all respectable ironmongers, builders, &c.

MOORE'S PATENT MOVEABLE GLASS VENTILATOR.



For Windows, Skylights, Sashless Greenhouses, &c., and for ventilating Ships, Mines, Hospitals, Prisons, Powder Magazines, Mills, Warehouses, Manufactories, and all buildings.

The greatest amount of ventilation is obtained without draught, and it can be adjusted to any quantity.

For removing steam from windows and smoke from rooms, it is most effectual.

List of Prices may be obtained by application.

N.B. A Working Model forwarded by post, upon receipt of 10s., which will be returned upon receipt of Model.

Ventilators on an improved principle for Chimneys, Air-Flues, &c.

MANUFACTORY, 28 and 29, Clerkenwell Close, London.

Church and House Clock Makers to the Honourable Board of Ordnance, the Egyptian Government, and the Emperor of China.

Number of Church Clocks made by the above Firm, 316; ditto House Clocks, 12,000.

WARMING by HOT WATER.—J. WEEKS and CO. King's-road, Chelsea.—A great variety of plain and ornamental apparatuses, consisting of Pedestals and Stands of Pipes for warming Churches, Mansions, Warehouses, Offices, Drying rooms, Conservatories, &c. &c.—To be seen in extensive operation on our Premises at Chelsea, and also at Mr STOCKEN'S extensive carriage repository, Halkin-street, Hyde-park-corner.

WARMING and VENTILATING.—COTTAM and HALLEN, 2, Wimpole-street, Cavendish-square, having had thirty years' experience, and been employed by the circulation of hot water upwards of FOUR THOUSAND BUILDINGS, consisting of Churches, Prisons, Lunatic Asylums, Halls, and Mansions, Galleries, Conservatories, Pavilions, &c. &c., with confidence recommend their system, which, by the various improvements they have made has PERFECTED THE CONSTRUCTION AND ECONOMIZED THE EXPENSE of Greenhouses, Conservatories, Verandahs, constructed entirely of iron or wood, and of iron and wood combined. Estimates upon application.

COTTAM and HALLEN, Engineers and Ironfounders, 2, Wimpole-street, Oxford-street, London.

STEPHENSON and PEILL, 61, Gracechurch-street, London, and 17, New Park-street, Southwark, Manufacturers of COPPER CYLINDRICAL and improved CONICAL IRON BOILERS, and Contractors and Not-house Builders, either in wood or iron, respectfully call the attention of the nobility, gentry, and clergymen to their simple but efficacious method of warming horticultural and other buildings by Hot Water. From the extensive works they have executed references of the highest respectability can be given, and full particulars furnished on application.

NEW HOUSES of PARLIAMENT.—DEFRIES'S GAS STOVES, RANGES, and BATHS just completed for the kitchens in the above building. A great variety in stock upon the same principle. GAS BATHS from 7l. by which a warm bath may be obtained for three halfpence!—Circulars at the Office, 143, Regent-street. Manufactories removed from 33, Hanover-square, and 67, St. Martin's-lane, to more extensive premises in the New-road, St. Pancras.

NOIRSAIN'S VENTILATING GRATES and STOVES.—A long search for deterentum at last obtained. Great Economy in Fuel.—entire Prevention of Smoking in Chimneys—and Perfect Regulation of the Temperature of Rooms effected by the new Ventilating Grates, which may be applied to any fire-place.

The Proprietors solicit the attention of the public and scientific men to the patent apparatus—the utility and superior advantages of which will be satisfactorily demonstrated at the Depôt, 121, REGENT-STREET, to any visitor. The highest testimonials given. Prices, from Two Guineas upwards. A. KIDD, Agent.

LATEST and GREATEST IMPROVEMENT in KITCHEN RANGES or COOKING APPARATUSES, combining Economy and Efficiency. More than Eight Thousand of FLAVELL'S PATENT KITCHENERS have been fixed in various parts of the United Kingdom; a fair test of the recommendation of parties who have adopted them without the aid of adventitious or other assistance; and it was the only Kitchen Grate in the whole world to which the Jury of the Great Exhibition awarded a Prize Prize, with medal of special approbation.

The Ranges are open during the Great Exhibition, may be seen at S. FLAVELL'S London Depôt, 28, Jermyn-street, St. James's, and at the Manufactory, Augusta-place, Leamington Priors, Warwickshire.

Testimonials and Plans forwarded free, on application to the Manufactory, Leamington.

NAILS and IRONMONGERY, from BIRMINGHAM direct.

Builders, Contractors, and Others, supplied with Nails, Iron, and Ironmongery of every description, at the LOWEST WHOLESALE PRICES, a complete LIST of which will be forwarded upon application. FREDERICK BLYTH, Nail Manufacturer and General Factor, Edmund-street, BIRMINGHAM; or, at 16, Gresham-street, LONDON.

GEORGE HART, MANUFACTURING IRONMONGER, 283, STRAND, NEAR TEMPLE-BAR.

GEORGE HART solicits the attention of Builders and others to his extensive stock of GENERAL IRONMONGERY, which for quality and lowness of price cannot be surpassed.

Best Cut Clasp.				
1in. 6d.	1½in.	12in. 6d.	18in.	per cwt.
14	11	8	5½	3

Best Sheet Flooring Brads, 11s. 6d. per cwt.
Cast Lath Nails 5s. 6d. per cwt. Rich Weights, 3s. per cwt.
Rim Locks, for furniture, 10s. per dozen.
Best Patent Sash Line, 30s. per cwt.

Best Patent Sash Line:					
4s. 6d.	5s. 6d.	7s.	8s.	10s. 6d.	per gross.
5	6	7	8	9	

Dr. Arnott's Ventilators, 4s. 6d. each.

GEORGE HART is now manufacturing an extensive stock of PITT'S PATENT DOOR PUSH PURE, in china, glass, and fancy woods, a reduced price list of which he will shortly issue. An extensive and well-selected stock of GAS CHANDELIERS.

GEORGE HART, in soliciting the patronage of his friends and the public, assures them that they will find all articles of the best Quality, and at such prices that will secure the favour of continued commands.

GEORGE HART, 283, STRAND.

JOHN DALE, 18 and 19, Goswell-street, Finsbury-square, respectfully draws the above Trade to the undermentioned low recommended

Bright Fittings, from 10s. 6d. per inch, and upwards.

Bright Steven, 4 feet 6, 10s. per inch.

Self-acting Ranges, with circular ovens and back boilers, best wrought bars and bright fittings:—

3 ft., 3 ft. 10 in.; 3 ft. 6 in., 4 ft.; 4 ft., 5 ft. 10s.

3-feet Cottage Ranges, with ovens and back boilers, 12s. each.

3-feet self-acting ditto, ditto, 30s. each.

Air Bricks, 3s. 3d. per doz.

3-inch Cast Lath Nails, 6s. 6d. per cwt.

Best Patent Cut Clasp.

2in.	1½in.	1in.	12in.	18in.	3 inch wood lengths.
14s.	11s.	8s.	6d.	3s.	per cwt.

Best Sheet Flooring Brads, 12s. 6d. per cwt.

Best Cottage Chas. 12s. Ditto, Second, 8s. per cwt.

Best Patent Sash Line.

3	4	5	6		
4s. 6d.	5s. 6d.	7s.	8s.	10s. 6d.	per gross.

List of Prices had on application at the Warehouse, or by letter prepaid.

CLARK and HUNT'S IRONMONGERY, STOVE and METAL WAREHOUSE, 139, Shoreditch.

Improved Self-acting Cottage Ranges, with Large Ovens and Boiler ..... { 2ft. 2ft. 6in. 3ft. 3ft. 6in. 4ft. 4ft. 6in. 5ft. per inch.

Best Self-acting Ranges, with Oven and Back Boiler, Bright Wrought Bars .. { 24in. 30in. 36in. 42in. 48 inch.

Simple Kitchen Stoves, with Extra Back and Solid Bars, per inch, 3d.

Register Stoves, with Solid Bars, per inch, 3d. Best Solar ditto, with Fire Brick Back, per inch, 4d.

Bright Stoves, with Two Pires, 20s. to 100s. each.

Cast Rain-water Pipe { 2in. 3in. 4 inch. 6d. 10d. 1s. per yard.

Cast Gutters—4 inch, 6d. per yard.

O. G. Gutters ..... { 4 4½ inch. 11d. 1s. per yard.

Best Cut Clasp { 1½ 11 8 5½ 3 inch. and Rose { 14s. 6d. 14s. 12s. 6d. 12s. 6d. 12s. per cwt.

Sheet Flooring Brads, 11s. 6d. per cwt.

1-inch Cut Lath, 12s. 6d. Cast Lath, 3s. 6d.

Patent Line { 3 4 5 6 6 inch. { 4d. 5d. 7d. 9d. 1s. per gross.

6 inch 3-Bolt Rd. Ward Wrenches, with best Furniture and Patent Spindles, 3s. each. Light Elliptic and Register Metal, 12s. per cwt.

Dr Arnott's Ventilators, 4s. 6d. each.

An extensive stock of bar, rod, hoop, and sheet iron.

Clark and Hunt's Improved Glass Paper.

PRIZE MEDAL of the Great Exhibition to HART and SON, MANUFACTURING IRONMONGERS, for the excellence of their DOOR FURNITURE and FINGER PLATES.

HART and SON invite the attention of Architects, Builders, and others, to the superior quality of their IRON FURNITURE in PLAIN and DECORATED CHINA, CRYSTAL, AMBER, and OPAL GLASS, EBONY, MAPLE, BUFFALO HORN, &c. &c., and to the advantages resulting from the use of it, being mounted with PITT'S PATENT SELF-ADJUSTING SPINDLES, applicable to doors of any thickness without alteration.

HART and SON also invite attention to their stock of LOCKS, Mortice, Rim, Cabinet, &c., BRASS FOUNDRY and BELL HANGING materials and GENERAL IRONMONGERY, and especially to their DR. ARNOTT'S VENTILATING CHIMNEY VALVES, to the manufacture of which they give particular attention. They have in stock a great variety of sizes and styles of finish, the prices of which may be obtained on application at their MANUFACTORY, 23, 24, and 25, WYCH-STREET, STRAND.

LOSH, WILSON, and BELL, NEWCASTLE-ON-TYNE.

Manufacturers of Bar Iron, Railway Bars, Forge and Engine Work, Cast-iron Goods, and STEWART'S PATENT CAST IRON GAS and WATER PIPES. Office, No. 7, Mincing-lane, London.

PUMPS on HIRE!!!—TO CONTRACTORS, BUILDERS, AND OTHERS.—The largest STOCK in England of SINGLE and DOUBLE PUMPS, of a superior description, from 4 inch to double 14-inch barrel, and prepared for Hand or Steam Power, kept on the most perfect order, ready for use, on very reasonable terms, at BENJAMIN PIDGER'S Engine, Pump, and Hot Water Apparatus Manufactory, Whitefriars-street, Fleet-street, London. Hand-engine Frames, of various powers, for Wells of any depth, made on the most improved principles.

FARM AND COTTAGE PUMPS.

PATENT CAST-IRON PUMPS, for the use of Farms, Cottages, Manure Tanks, and Shallow Wells.

Patent Pump	£1 15 0
Patent Pump, with 18 feet of lead pipe attached, and bolts and nuts ready for fixing	2 10 0

Lever over rises if required.

May be obtained of any Iron Monger or Plumber in Town or Country, or of the Patentees and Manufacturers,

JOHN WARNER and SONS, 8, Crescent, Jewin-street, London.

Every description of Machinery for Raising Water, Fire Engines, &c.

The usual allowance to the Trade.

JOHN WARNER and SONS, CRESCENT, JEWIN STREET, LONDON; MANUFACTURERS OF FIRE ENGINES, GARDEN ENGINES AND SYRINGES.

Galvanized Iron Tank Garden Engine, with Warner's Registered Spreader, is extremely recommended for durability and low price. 10l. 10s.

May be obtained of any Ironmonger in Town and Country.

ARTESIAN WELLS, Boring for Water, Sinking Shafts, &c.—The Nobility, Gentry, Water Companies, Towns, Poor-law Unions, Public Baths, Breweries, Distilleries, Paper-makers, Manufacturers of every description, may be SUPPLIED with any quantity by DAVID GREENSLEY, Civil Engineer, and patentee of boring tools, 10, Cumming-street, Pentonville, London, who, having had upwards of twenty years' experience, is enabled to give the most satisfactory and highly respectable references. Pumps and machinery of every description for raising water from deep wells. Lorrain tools with suitable pipes, for experiments, with instructions. Men and tools supplied to bore for railroads, minerals, &c.

GREAT FIRES in MARK-LANE and [illegible] HAMPTON-STREET, STRAND.—In the destruction [illegible] Thousands of Insurances values have been [illegible] LEADBEATER'S PATENT FIRE-PROOF [illegible] LEATHER STRONG WROUGHT-IRON FIRE [illegible] SAFES, CHESTS, and DOORS, for Strong [illegible] and Party walls, &c. of best make, and possessing [illegible] Improvements, are the best depositories [illegible] Description in the market; [illegible] Detector Locks; Patent Detector Locks and [illegible]

A large assortment on hand at LEADBEATER'S MANUFACTORY, 138, ALDERSGATE-STREET, CITY of LONDON where Prospectuses may be had.

LEADBEATER, many years Manufacturer for Chubb.

CHUBBS' LOCKS, FIRE-PROOF SAFES, AND CASH BOXES.

CHUBBS' PATENT DETECTOR LOCKS give [illegible] security from false keys and picklocks, and also detect any attempt to pick them. They are made of all sizes, and for every purpose to which locks are applied, and are strong, secure, neat, and durable.

CHUBBS' PATENT LATCH, for Street doors, counting-house doors, &c. is simple in construction, low in price, and quite secure. The keys are particularly neat and portable.

CHUBBS' PATENT FIRE-PROOF SAFES, BOOK-CASES, CHESTS, &c. made entirely of strong wrought-iron, so as effectually to resist the falling of brickwork, timber, &c. in case of fire, and are also perfectly secure from the attacks of the most skilful burglars.

CHUBBS' CASH and DEED BOXES, fitted with the Detector Locks.

CHUBB and SON, 57, St. Paul's Churchyard, London.

RAIN-WATER PIPES, O G and Half-round Gutters, Sash-Weights, Railing Bars, Air Bricks, &c.

J. JONES has the largest stock in London of the above and other castings, of the very best quality. Also, cast-iron pipes for gas, water, or drainage; bends, taps, &c.; flange and hub-water pipes, with all the usual connections; lamp-posts and rosettes, stable fittings, pig-troughs, &c. &c.—J. JONES, IRON BRIDGE WHARF, No. 6, BANKSIDE, LONDON, near the Southwark Iron Bridge.

FOUNDRY AND IRON WORKS, 68, DRURY-LANE, and CHARLES-STREET, DRURY-LANE GLOVER, BROS.,

Solicit the attention of the Trade to their extensive Stock of PATTERNS for CASTINGS of EVERY DESCRIPTION, either structural or ornamental.

Patterns of Girders, Columns, Balconies, Railing, Ornamental Carriage and Park Gates, Lamp and Street Posts, Tanks, Pipe Wheels, Pinions, Lathes, and Steam-engines; Range and Hot-plate Metal. An improved Soot Door adapted for internal work.

A large stock of Rain-water Pipes, Plain and O G Gutters, Air-bricks, Sash Weights, Air-tight Sewer Grates, Stable Fittings, Murdles, &c.

Plain and Ornamental Vases 20 per cent. cheaper than Terra-cotta.

Estimates given for Iron Buildings, Wrought-iron Roofing, Greenhouses, Staircases, Wrought-iron Girders, Fireproof Doors, Book-cases and Strong Rooms, Tanks and Boilers, and every description of ironwork to specifications, and the work executed with every attention to quality and despatch.

GLOVERS' IRONWORKS, 168, DRURY-LANE, and CHARLES-STREET.

IRON FOUNDRY, 90, Goswell-street (late of Brick-lane, St. Luke's).—J. J. JONES, having made great additions to his STOCK of PATTERNS, begs to inform the Trade that he can now supply them with Plain and Ornamental Iron Columns, Girders, Railings, Gates, Iron Coping, Balconies, Window Guards, Verandahs, Ornamental Scrollwork, Panels, Iron Stairs, Tomb Enclosures, Trellis Panelling, Lamp and other Brackets, Cantilevers, Newel Bars, Water Closet Work, Area Gratings, Fly and other Wheels, Wheel Plates, &c.

BAKERS' OVEN WORK, Fixing Backs and Troughs, Hot Water Pipes and Coppers, Sash Weights, Furnace Bars, Stove Ranges, &c. always in stock.

COLLINGE'S PATENT HINGES.—Sole Manufacturers, CHARLES COLLINGE and CO., 45 and 46, Bridge-road, Lambeth, where a great variety are always in view for church, park, railroad, coach-house, and other gates and doors of large and small dimensions, a gate of a ton weight moving with these hinges as easily as a wicket. Ornamental hinges adapted for dressing-rooms, &c.; doors fitted with them may be removed and replaced in an instant. Mining and dog-leg-acting spring hinges, and superior gate fastenings, at moderate prices. None genuine unless marked "Charles Collinge, Patent, Lambeth." Plain and ornamental cast and wrought iron work, for building and other purposes. Engines, machinery, patent sack-trucks, sugar-mills, &c.

ROBSON and SON'S IMPROVED WHEEL TIRE, for lessening the draught of Vehicles, and relieving the friction upon the axles.—R. and Son, Wheelwrights and Hoop Tire-smiths, having registered an Improved Iron Tire which is manufactured by a process peculiarly patentable, are prepared to fire wheels with the above Iron, which has many advantages over the flat tire, as the strain is removed from the front and back edges to the centre, thereby decreasing the draught greatly, in vehicles with six-inch tire and under.—N.B. Old wheels can be new tired with the above iron.—Lists of prices may be had on application at the factory, Liquorpond-street, and Laystall-street, Gray's-inn, Holborn, London.

GAS CHANDELIERS, HALL LANTERNS, &c.—To Gas-fitters, Ironmongers, and the Trade generally.—The most complete assortment in London of every description of Gas fittings, suitable for drawing and dining rooms, libraries, halls, &c. Every article manufactured on the premises, and marked with the wholesale price. Dr. Arnott's improved Ventilating Patent Gas Meters, &c. at D. HULETT and CO.'S, 25 and 26, HIGH HOLBORN.—N.B. Large pattern book of engravings, with price list, 10s.; small ditto, 2s. D. Hulett's improved Service Cleanser.

CHURCH and TURRET BELLS. EXHIBITION PRIZE MEDAL granted to J. WARNER AND SONS, BELL FOUNDERS AND ENGINEERS, who are prepared to contract for the supply of CHURCH BELLS of any weight or key, singly or in peals, of superior tone. Peals augmented, cracked bells recast, rehung, &c.

MUSICAL HAND BELLS, Clock, House, Ship, Cattle, and every other description of Bells kept in stock. Old Bells taken in exchange.

PLUMBERS and BUILDERS supplied with CAST and MILLED LEAD in sheets or cut to dimensions. Patent and Fluxed Pipe, Lead Traps, and Service Boxes, at wholesale prices. WILLIAM DENT, 21, NEWCASTLE-STREET, STRAND. Manufacturer of Engine pumps, Water-closets, and every description of Plumber's Brasswork. The Registered Cranked Racers now sell for the reduced prices of 1½ 2s. 6d., and 3s. according to colour and fittings. Also an Earthenware Slab and Wash-hand Basin of improved construction.

For a comprehensive guide on PDF Compression and OCR visit our website